GROUNDWATER MONITORING REPORT
THIRD QUARTER 2005

More for Less Store #21
940 Petrified Forest Road
Calistoga, California

Submitted to:

Napa County Department of Environmental Management
Napa, California

On behalf of:

Convenience Acquisition Company LLC
Sacramento, California

Prepared by:

ENVIRON International Corporation
Emeryville, California

October 14, 2005
Project No. 03-10605N

ENVIRON

October 14, 2005

Mr. Bob Matthews
Convenience Acquisition Company LLC
3336 Bradshaw Road, Suite 260
Sacramento, California 95827

Re: Groundwater Monitoring Report, Third Quarter 2005
More For Less Store #21; Calistoga, California
ENVIRON Project No. 03-10605N

Dear Mr. Matthews:

ENVIRON International Corporation ("ENVIRON") is pleased to present this report summarizing the results of groundwater monitoring conducted at Convenience Acquisition Company's More for Less Store #21 located at 940 Petrified Forest Road in Calistoga, California (Figure 1). The report has been prepared in response to a request from the Napa County Department of Environmental Management (DEM) as specified in a letter dated July 26, 2005 addressed to both More for Less and The Customer Company, the previous owner of the site.

The approximately one-acre site consists of a convenience store building, three fuel islands, and associated underground storage tanks, as shown on Figure 2. Convenience Acquisition Company, the current site owner, has operated the More for Less Gas Station and Convenience Store at the site since July 1998. There are five active underground storage tanks (USTs) located in the central portion of the site, including three 12,000-gallon gasoline USTs, one 8,000-gallon diesel UST, and one 520-gallon waste oil UST. Two former USTs for storage of fuels and an associated fuel island were located in the northern corner of the site and removed in 1988 by the previous owner.

This report presents a summary of the site history, subsurface conditions, and groundwater monitoring results for August 2005. A summary of monitoring well construction details is presented in Table 1. The locations of groundwater monitoring wells discussed in this report are shown on Figure 3. Laboratory analytical results for groundwater samples collected during the quarterly monitoring event in August 2005 are in Appendices B and C.

As required by California Underground Storage Tank regulations (CCR Title 23, Section 2729), a site plan, an electronic copy of this report, and data collected since September 1, 2001, including analytical data, monitoring well survey data, and groundwater level data, have been submitted in Electronic Deliverable Format (EDF) to the California State Water Resources Control Board (SWRQB) Geotracker database.

Background

Prior to purchase by Convenience Acquisition Company, the site was operated as Food and Liquor #168 by The Customer Company. Two former 12,000-gallon USTs located in the northern corner of the site were removed in February 1988 (Kleinfelder 1988). Based on the detection of fuel hydrocarbons in a water sample collected during the tank removal, the Napa County DEM requested that additional site investigation be conducted. In December 1989, three groundwater monitoring wells (MW-1, MW-2 and MW-3) were installed in the vicinity of the former tanks (Dames & Moore 1990). The three wells were sampled in December 1989, and downgradient well MW-3 was sampled again in January 1991. The groundwater samples were tested for total petroleum hydrocarbons (TPH) as gasoline and benzene, toluene, ethylbenzene, and xylenes (BTEX). None of these compounds were detected. Based on these results, the Napa County DEM recommended that the case be closed, and the San Francisco Regional Water Quality Control Board issued a case closure letter dated March 5, 1991.

In July 1998, Convenience Acquisition Company purchased the site from The Customer Company, and the store was renamed More for Less #21. The fuel dispensers and underground fuel delivery lines to the four existing USTs at the site were upgraded during February 2000. During the upgrade activities, Geocon Consultants Inc. (Geocon) of Rancho Cordova, California collected soil samples from the delivery line trench and dispenser island excavations in accordance with a request from the Napa County DEM. TPH-diesel was detected in all ten soil samples collected and the gasoline oxygenate methyl-tert-butyl ether (MTBE) was detected in nine of the ten soil samples collected. TPH-gasoline and BTEX compounds were detected in two or three of the shallow soil samples (Geocon Consultants, Inc. 2000).

Following submittal of Geocon's report dated March 27, 2000, the Napa County DEM issued a letter to Convenience Acquisition Company dated March 29, 2000 requesting that a soil and groundwater investigation be conducted to address the possible release of MTBE at the site. A workplan for a soil and groundwater investigation was prepared by Parker Environmental Services of Pittsburg, California on June 21, 2000 and submitted to the Napa County DEM. Following approval of the workplan by the Napa County DEM in a letter dated October 10, 2000, the plan was implemented in November 2001 by H_2O Geol of Livermore, California.

The investigation at the site in November 2001 included the installation and development of three new shallow monitoring wells (MW-4, MW-5, and MW-6) and collection of two soil samples from each well boring for chemical analysis. Groundwater levels were measured in all six onsite monitoring wells, and groundwater samples were collected for chemical analysis. Soil and groundwater samples were analyzed for TPH as gasoline and diesel, BTEX compounds, MTBE, and other fuel oxygenates. Additional quarterly groundwater monitoring events for all

six wells were conducted in March 2002 by H_2O Geol and on a quarterly basis since August 2002 by ENVIRON. Results of these previous investigations were summarized in the *Site Investigation and Groundwater Monitoring Report* (ENVIRON 2002a) and subsequent groundwater monitoring reports (ENVIRON 2002 through 2005).

Site Subsurface Conditions

In general, the site is underlain by fill over natural alluvial soils. Where present, the fill material is described as pea gravel or engineered fill containing concrete, brick, and wire fragments to a depth ranging from approximately 9 to 10.5 feet below ground surface (bgs). Fill was not reported along the northern side of the site at locations MW-1 and MW-3, where the first soil encountered consisted of silty clay to depths of 6-7 feet bgs. The fill material is underlain by relatively fine-grained deposits consisting of clayey to gravelly silt and silty to gravelly clay extending to depths ranging from approximately 13 to 18 feet bgs. These deposits are underlain by relatively coarse-grained alluvial deposits consisting of sand and gravel. Groundwater elevations fluctuate seasonally. The direction of groundwater flow is toward the east/southeast, and the depth to water typically ranges between about 7 to 21 feet below ground surface.

Well Survey Results

All six monitoring wells at the site were surveyed on February 21, 2002 by Renner Surveying and Engineering of Burlingame, California. This survey was conducted relative to a benchmark established at the site with an assumed elevation of 390.00 feet. Wells MW-1, MW-2 and MW-3 were also surveyed following their installation in 1989 by Earl L. Gray of Pleasant Hill, California using a Napa County benchmark identified as BM No. 325 referenced to Mean Sea Level (MSL) datum. The difference between the two surveys is shown below:

Well	Feet, MSL Datum	Feet, 2002 Site Datum	Difference in feet
MW-1	391.90	388.59	3.31
MW-2	392.28	388.99	3.29
MW-3	391.71	388.46	3.25

The average difference between the site datum elevations measured in 2002 and the MSL datum elevations measured in 1989 for these three wells is 3.28 feet. These data indicate that a correction factor of +3.3 feet could be used to convert the elevations based on the site benchmark to approximate MSL datum elevations, if necessary. However, the 2002 elevations measured relative to the site benchmark are consistent relative to one another and can be used to assess groundwater flow directions and gradient at the site.

During the sampling event on May 15, 2003, it was observed that a concrete sidewalk had been added surrounding the MW-3 well box, the top of which is flush with the new sidewalk. Upon inspection of the well by ENVIRON, the casing appeared to have been newly cut, presumably so that the well box lid could be placed flush with the sidewalk. Renner Surveying and Engineering

of Burlingame, California surveyed the elevation of MW-3 on October 17, 2003. This survey was conducted relative to a benchmark established at the site with an assumed elevation of 390.00 feet. The new elevation for MW-3 was measured at 388.29 feet, site datum.

Groundwater Occurrence

Static groundwater levels were measured on August 25, 2005 using an electronic water level probe. The groundwater level measurements are presented along with historic data in Table 2. In general, measured water levels were found to be between depths of 17.7 and 18.7 feet. Water levels were on average approximately 9.7 feet lower in August 2005 than those recorded in May 2005. The groundwater levels measured in August 2005 are shown on a groundwater table contour map on Figure 4. Consistent with previous quarters, the measured water levels indicate an overall groundwater flow direction toward the east/southeast. Cyrus Creek, which is located about 50 feet south of the site, is dry for much of the year, indicating that groundwater is deeper than the creek bed, and that the creek acts as a discharging stream when it flows during the rainy season. As a result, the potential for groundwater discharge into the creek is very low.

Chemical Testing Results

To characterize current groundwater conditions at the site, ENVIRON collected groundwater samples as part of a quarterly monitoring event conducted in August 2005. Groundwater samples were collected from monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6. The groundwater samples were analyzed for TPH as gasoline, TPH as diesel (reported as diesel range organics), BTEX compounds, and fuel oxygenates. The groundwater analytical results are summarized in Table 3, and MTBE concentrations in groundwater are shown on Figure 5. Field parameter measurements are presented in Appendix A, and the analytical laboratory reports are attached in Appendix B.

MTBE was not detected in any of the wells in August 2005. Diesel range organics were detected at a concentration of 96 µg/l in the groundwater sample from MW-2. However, in a telephone conversation with ENVIRON, the laboratory staff noted that the sample chromatogram peaks did not match the diesel standard. No other fuel constituents were detected in any of the other groundwater samples collected in August 2005.

As part of the quality control program, an equipment rinsate blank sample is typically collected from non-dedicated sampling equipment and analyzed to evaluate potential bias introduced to the sample during decontamination procedures, sample collection, and analysis. During the August 2005 sampling event, water levels were relatively low resulting in small purge volumes, therefore, purging and sampling was conducted by hand-bailing using disposable bailers. Because ENVIRON used only dedicated and disposable sampling equipment, there was no potential for cross-contamination between wells. Therefore, an equipment rinsate blank was not collected during the August 2005 sampling event.

Comparison with Historical Results

Groundwater analytical results have been compared to available federal and California criteria for the chemicals detected. Available water quality criteria include health based Maximum Contaminant Levels (MCLs) for drinking water, and Secondary MCLs based on aesthetic factors such as color, taste, and odor. Although groundwater at the site is not used for drinking water, drinking water criteria are identified as water quality objectives for groundwater by the California Regional Water Quality Control Board.

Groundwater monitoring results since November 2001 are shown in Table 3, and MTBE results are presented on Figure 5. The historical data indicate that MTBE concentrations at the site were highly variable during the period from November 2001 through November 2002. The highest concentrations were detected in the two November rounds of sampling (up to 26,400 µg/l), and the lowest concentrations were detected in March 2002 (<0.50 to 2.7 µg/l).

As of January 9, 2003, the gasoline delivered to facility contains ethanol rather than MTBE. Since then, MTBE has not been detected in wells MW-1, MW-2, and MW-3 located in the northern portion of the site. Wells MW-4, MW-5, and MW-6 are located in the southern portion of the site. In wells MW-4 and MW-5, MTBE results have been either not detected or below MCLs except in the November 2003 round of sampling. The same pattern is observed in well MW-6, with one exception (in May 2004, MTBE was detected at 15.9 µg/l). In November 2003, MTBE was detected above MCLs in wells MW-4, MW-5, and MW-6, but the concentrations were one to two orders of magnitude lower than in November 2001 and November 2002. Other fuel constituents, including TPH-gasoline, benzene, TBA, and TAME, were also detected in one or more wells during November 2003. By November 2004, MTBE and other fuel constituent detections were below MCLs. Ethanol has never been detected in any of the site wells.

The pattern of higher MTBE and other fuel constituent detections in the November rounds of sampling from 2001 to 2003 appears to be related to rising water levels after the start of the rainy season. During the dry season, the groundwater table is about 20 feet deep and occurs in an alluvial sand and gravel layer. This coarse-grained soil unit is overlain by fine-grained silt and clay. Following rain events in the fall, the water table rises high enough to contact the base of the fine-grained soil unit at a depth of about 14 to 15 feet bgs in the southern portion of the site. The detections of MTBE and other fuel constituents in the previous November rounds of sampling suggest that there may be residual fuel constituents in soil pore space at the base of the fine-grained layer. Based on the fifteen rounds of sampling since November 2001, the residual MTBE concentrations appear to be decreasing over time and were below MCLs in November 2004. In the subsequent February 2005, May 2005, and August 2005 rounds of sampling, MTBE was not detected at the site.

Offsite Irrigation Well

At the request of the Napa County DEM, a groundwater sample was collected from the offsite irrigation well located on the Rancho de Calistoga property across Highway 128 southeast of the site. The approximate well location is shown on Figure 3. According to Mr. Jerry Sturr, the

former manager of the property, the well is approximately 276 feet deep and is used solely for landscape irrigation.

A groundwater sample was collected from a tap on the well outlet line on August 25, 2005. Site personnel reported to ENVIRON on the day of sampling that landscape irrigation had occurred on a daily basis for the previous several weeks. The sample was analyzed for TPH as gasoline, diesel range organics, BTEX compounds, and fuel oxygenates. None of the analyzed constituents were detected in the sample. The analytical laboratory report is presented in Appendix C.

The offsite irrigation well was sampled previously in conjunction with ten monitoring events (August 2002 and each quarterly monitoring event since August 2003) and tested for the same fuel constituents. Fuel constituents were not detected in samples collected in August 2002 and August 2003. In November 2003, MTBE was detected at a concentration of 6 µg/l; no other compounds were detected. The primary MCL for MTBE is 13 µg/l and the secondary MCL (based on taste and odor factors) is 5 µg/l. To confirm this result, the well was resampled in December 2003. MTBE was detected, but only at 1.1 µg/l, well below both the primary and secondary MCLs.

Fuel constituents were not detected in samples collected in February and May 2004. In August 2004, TPH-gasoline was reported at a concentration of 74 µg/l, and total xylenes were reported at 1.3 µg/l. In order to confirm the August 2004 results, the well was sampled again on September 19, 2004 and analyzed for TPH-gasoline and BTEX. An atmospheric blank sample was also collected and analyzed for the same parameters. TPH-gasoline and BTEX were not detected in the sample from the well or in the atmospheric blank sample. Therefore, the reported detections in the August sample are considered suspect. Fuel constituents have not been detected in any of the subsequent samples collected in November 2004, February 2005, May 2005, and August 2005.

Summary

Based on data from fifteen groundwater monitoring events, concentrations of MTBE in groundwater were highly variable during the period between November 2001 and November 2002. Relatively high concentrations were reported in both November 2001 and November 2002. However, in March 2002 (highest groundwater elevation) and August 2002 (lowest groundwater elevation), MTBE was not detected or was reported at relatively low concentrations. The absence of TPH-gasoline, BTEX, and other fuel oxygenates at more than sporadic and/or low levels did not indicate a liquid fuel release at the site. However, the source(s) of the MTBE in groundwater is not clear. In accordance with its permit, the facility fuel system integrity was tested in 2002, 2003, 2004, and 2005, and all fuel system components passed. The most recent testing included pressure decay testing of the gasoline USTs, air to liquid ratio performance of the dispenser nozzles, and testing of the product lines conducted by Tank-Tek on May 5, 2005, with a follow up test on July 11, 2005 after a faulty sensor was replaced.

Any potential onsite sources of MTBE were eliminated in January 2003. Since that time, the gasoline delivered to the facility has been formulated with ethanol rather than MTBE. In the first three monitoring events of 2003 (February 2003, May 2003, and August 2003), MTBE was not detected or was reported at low concentrations below MCLs. In November 2003, MTBE was detected in the three site wells near the current USTs but at concentrations an order of magnitude lower than in November 2001 and November 2002. MTBE was not detected in the three wells near the former USTs. In the monitoring events of 2004 (including the November sampling), MTBE was again not detected or reported at low concentrations below MCLs, with only one exception (one May 2004 result was slightly above the primary MCL). In February, May, and August 2005 MTBE was not detected in any of the site wells. Ethanol has never been detected in any of the site wells.

The pattern of higher MTBE and other minor fuel constituent detections in the previous November rounds of sampling appears to have been related to rising water levels after the start of the rainy season. During the dry season, the groundwater table is about 20 feet deep and occurs in an alluvial sand and gravel layer. Following rain events in the fall, the water table rises high enough to contact the base of a fine-grained soil unit at a depth of about 14 to 15 feet bgs in the southern portion of the site. The detections of MTBE and other fuel constituents in the November rounds of sampling suggest that there may have been residual fuel constituents in soil pore space at the base of the fine-grained layer. Based on the fifteen rounds of sampling since November 2001, the residual MTBE concentrations appear to be decreasing over time. By November 2004, MTBE and other fuel constituent detections were below MCLs, and current groundwater concentrations are below the detection limit.

As discussed above, based on sampling conducted in August 2002 and August 2003, an offsite irrigation well located approximately 160 feet downgradient of the site was not impacted by fuel constituents. Data from two samples collected in November and December 2003 indicated very low concentrations of MTBE below MCLs. However, MTBE and other fuel constituents were not detected in more recent samples from February, May, and November 2004, or February, May, and August 2005. Low concentrations of TPH-gasoline and xylenes were reported for a sample collected in August 2004 (MTBE and other fuel constituents were not detected). These positive detections were not confirmed by a second sample collected in September 2004 and are therefore considered to be suspect.

In accordance with a Napa County DEM letter dated July 26, 2005, we recommend that an additional round of quarterly monitoring be conducted during Fourth Quarter (November) 2005 to further evaluate site conditions following the removal of MTBE-containing gasoline from the facility. Because the gasoline delivered to the facility now contains ethanol rather than MTBE, a reporting limit of at least as low as 50 µg/l will be requested from the analytical laboratory. The offsite irrigation well located at the Rancho de Calistoga property will also be sampled again in November 2005. Additional sampling and analysis will be performed in November 2005 in accordance with the work plan prepared by ENVIRON and submitted to the Napa County DEM on March 11, 2005 (ENVIRON 2005b), as approved by the agency in a letter dated March 15, 2005.

Please contact us at (510) 655-7400 if you have any questions about this report.

Very truly yours,

John Pekala, P.G. No. 7248
Manager

Jessica E. Donovan, P.G. No. 3791
Principal

cc: Mr. John Johnson, The Customer Company
Mr. Gary Lowe, H2O Geol

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TABLES

TABLE 1. SUMMARY OF MONITORING WELL CONSTRUCTION DATA
Convenience Acquisition Company, More For Less Store #21
940 Petrified Forest Road; Calistoga, California

Well Number	Date Installed	Measuring Point Elevation (ft msl)	Depth of Well Elevation (ft sd)	Depth of Well (ft bgs)	Screened Elevation (ft sd)	Screened Interval (ft bgs)	Well Casing			Filter Pack Elevation (ft sd)	Filter Pack Interval (ft bgs)
							Diameter (inches)	Casing Material	Screen Slot Size		
MW-1	12/18/1989	388.59	368.6	20.0	383.6 to 368.6	5 to 20	4	Sch. 40 PVC	0.02"	385.6 to 368.6	3 to 20.0
MW-2	12/18/1989	388.99	364.0	25.0	379.0 to 364.0	10 to 25	4	Sch. 40 PVC	0.02"	381.0 to 364.0	8 to 25.0
MW-3	12/18/1989	388.29	368.5	20.0	383.5 to 368.5	5 to 20	4	Sch. 40 PVC	0.02"	385.5 to 368.5	3 to 20.0
MW-4	11/13/2001	388.54	364.1	24.4	374.5 to 364.5	14 to 24	2	Sch. 40 PVC	0.02"	375.5 to 364.1	13 to 24.4
MW-5	11/13/2001	388.10	364.1	24.0	374.1 to 364.1	14 to 24	2	Sch. 40 PVC	0.02"	375.1 to 364.1	13 to 24.0
MW-6	11/13/2001	387.96	363.7	24.3	374.0 to 364.0	14 to 24	2	Sch. 40 PVC	0.02"	375.0 to 363.7	13 to 24.3

NOTES:

ft bgs = feet below ground surface

ft sd = feet, 2002 site datum (see Table 2 for explanation)

PVC = polyvinyl chloride

Site Datum: Well elevations are based on surveys by Renner Surveying & Engineering conducted in February 2002 and November 2003. These surveys were conducted relative to a temporary benchmark point at the site with an assumed elevation of 390.00 feet. Based on a 1989 survey of wells MW-1 through MW-3 by Earl L. Gray of Pleasant Hill, California using Napa County benchmark No. 325, a correction factor of +3.3 feet should be used to convert the elevations based on the 2002 site benchmark to elevation based on Mean Sea Level datum.

TABLE 2. SUMMARY OF GROUNDWATER ELEVATIONS
Convenience Acquisition Company, More for Less Store #21
940 Petrified Forest Road; Calistoga, California

Well ID	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6	
TOC	388.59		388.99		388.29 [(a)]		388.54		388.10		387.96	
Date	Depth (ft)	Elevation (ft sd)	Depth (ft)	Elevation (ft sd)	Depth (ft)	Elevation (ft sd)	Depth (ft)	Elevation (ft sd)	Depth (ft)	Elevation (ft sd)	Depth (ft)	Elevation (ft sd)
12/29/1999	13.33	375.26	13.54	375.45	13.38	375.08	--	--	--	--	--	--
11/19/2001	11.80	376.79	11.90	377.09	11.95	376.51	11.77	376.77	11.16	376.94	10.90	377.06
3/28/2002	9.35	379.24	8.75	380.24	9.25	379.21	8.75	379.79	8.15	379.95	7.80	380.16
8/15/2002	Dry	--	20.94	368.05	Dry	--	20.55	367.99	20.12	367.98	19.94	368.02
11/12/2002	11.78	376.81	11.79	377.20	11.92	376.54	11.68	376.86	11.11	376.99	10.79	377.17
2/24/2003	9.06	379.53	8.11	380.88	8.81	379.65	8.25	380.29	7.63	380.47	7.18	380.78
5/15/2003	9.13	379.46	8.38	380.61	8.88	379.41	8.54	380.00	7.93	380.17	7.44	380.52
8/20/2003	Dry	--	20.67	368.32	Dry	--	20.27	368.27	19.84	368.26	19.65	368.31
11/21/2003	15.56	373.03	15.82	373.17	15.46	372.83	15.60	372.94	15.05	373.05	14.85	373.11
2/24/2004	8.63	379.96	7.75	381.24	8.32	379.97	8.09	380.45	7.48	380.62	6.91	381.05
5/27/2004	13.65	374.94	13.89	375.10	13.67	374.62	13.74	374.80	13.23	374.87	12.92	375.04
8/24/2004	Dry	--	21.15	367.84	Dry	--	20.8	367.74	20.38	367.72	20.17	367.79
11/19/2004	14.96	373.63	15.18	373.81	14.88	373.41	14.97	373.57	14.50	373.60	14.20	373.76
2/25/2005	8.84	379.75	8.05	380.94	8.55	379.74	8.29	380.25	7.70	380.40	7.12	380.84
5/26/2005	9.19	379.40	8.48	380.51	9.04	379.25	8.72	379.82	8.08	380.02	7.55	380.41
8/25/2005	18.37	370.22	18.71	370.28	18.18	370.11	18.4	370.14	17.96	370.14	17.75	370.21
Change*		-9.18		-10.23		-9.14		-9.68		-9.88		-10.20

NOTES:

TOC indicates top of casing elevation in feet, 2002 site datum.

Depth to groundwater is in feet below top of casing.

Groundwater elevation is in feet above 2002 site datum (ft sd).

* Difference between two most recent elevations.

(a) The well casing for MW-3 was cut between the February and May 2003 sampling events. Prior to this, groundwater elevations were calculated using the prior surveyed TOC elevation of 388.46 feet, 2002 site datum. Beginning in May 2003, the new surveyed elevation of 388.29 feet, 2002 site datum was used.

Site Datum: See Table 1 for explanation.

TABLE 3. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Convenience Acquisition Company, More For Less Store #21
940 Petrified Forest Road; Calistoga, California

Well Name	Screened Interval (ft bgs)	Sample Name	Date	MTBE (µg/L)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)
Wells Installed near Former Tank Location (December 1989)																	
MW-1	5 - 20	14/168/MW-1	11/19/01	**79**	<50	<50	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	na
		21/168/MW-1	03/28/02	<0.50	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	na
		Dry	08/15/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		011112-21-MW-1-P	11/12/02	**89**	<50	<50	0.8	<0.5	<0.5	<1.0	<50	<1	<1	3	<1	<1	<100
		030224-21-MW-1-P	02/24/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030515-21-MW-1-P	05/15/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		Dry	08/21/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		031121-21-MW-1-P	11/21/03	<0.5	142	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1.0	<1.0	<1	<0.5	<100
		040224-21-MW-1-P	02/24/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<100
		040527-21-MW-1-P	05/27/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		Dry	08/24/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		041119-21-MW-1-P	11/19/04	<0.5	<50	<50	<0.5	0.6	0.6	2.2	<10	<0.5	<1	<1	<1	<0.5	<50
		050225-21-MW-1-P	02/25/05	<0.5	69	<50	<0.5	<0.5	<0.5	3	<10	<0.5	<1	<1	<1	<0.5	<50
		050526-21-MW-1-P	05/26/05	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050825-21-MW-1-P	08/25/05	<0.50	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<25
MW-2	10 - 25	14/168/MW-2	11/19/01	**24**	<50	<50	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	na
		21/168/MW-2	03/28/02	2.7	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	na
		020815-21-MW-2-P	08/15/02	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		011112-21-MW-2-P	11/12/02	**421**	<50	<50	**5.7**	<0.5	<0.5	<1.0	129	<1	<1	17	<1	<1	<100
		030224-21-MW-2-P	02/24/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030515-21-MW-2-P	05/15/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030821-21-MW-2-P	08/21/03	<1	55	<50	<0.5	0.7	<0.5	3 U	<50	<1	<1	<1	<1	<1	<100
		031121-21-MW-2-P	11/21/03	<0.5	92	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1.0	<1.0	<1	<0.5	<100
		040224-21-MW-2-P	02/24/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	0.5	<1	<1	<1	<0.5	<100
		040527-21-MW-2-P	05/27/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		040824-21-MW-2-P	08/24/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		041119-21-MW-2-P	11/19/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050225-21-MW-2-P	02/25/05	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050526-21-MW-2-P	05/26/05	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050825-21-MW-2-P	08/25/05	<0.50	<50	96 *	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<25

TABLE 3. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Convenience Acquisition Company, More For Less Store #21
940 Petrified Forest Road; Calistoga, California

Well Name	Screened Interval (ft bgs)	Sample Name	Date	MTBE (µg/L)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)
MW-3	5 - 20	14/168/MW-3	11/19/01	**22**	<50	<50	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	na
		21/168/MW-3	03/28/02	1.0	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	na
		Dry	08/15/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		011112-21-MW-3-P	11/12/02	**14**	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030224-21-MW-3-P	02/24/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030515-21-MW-3-P	05/15/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		Dry	08/21/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		031121-21-MW-3-P	11/21/03	<0.5	72	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1.0	<1.0	<1	<0.5	<100
		040224-21-MW-3-P	02/24/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<100
		040527-21-MW-3-P	05/27/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		Dry	08/24/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		041119-21-MW-3-P	11/19/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050225-21-MW-3-P	02/25/05	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050526-21-MW-3-P	05/26/05	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050825-21-MW-3-P	08/25/05	<0.50	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<25

TABLE 3. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Convenience Acquisition Company, More For Less Store #21
940 Petrified Forest Road; Calistoga, California

Well Name	Screened Interval (ft bgs)	Sample Name	Date	MTBE (µg/L)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)
Wells Installed near Current Tank Location (October 2001)																	
MW-4	14 - 24	14/168/MW-4	11/19/01	**8,900**	<5,000	<50	<100	<100	<100	<100	<500	<100	<100	<100	<100	<100	na
		21/168/MW-4	03/28/02	<0.50	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	na
		020815-21-MW-4-P	08/15/02	**196**	82	<50	**2.1**	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		021112-21-MW-4-P	11/12/02	**22,690**	934	<50	**175**	<0.5	<0.5	1.6	3,140	<1	<1	870	<1	<1	<100
		021112-21-MW-4-D	11/12/02-Dup	**26,400**	967	<50	**178**	<0.5	<0.5	1.7	3,010	<1	<1	859	<1	<1	<100
		030224-21-MW-4-P	02/24/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030515-21-MW-4-P	05/15/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030821-21-MW-4-P	08/21/03	<1	62	<50	0.6	<0.5	<0.5	1.5 U	<50	<1	<1	<1	<1	<1	<100
		031121-21-MW-4-P	11/21/03	**1,970**	181	<50	**33.9**	<0.5	<0.5	<1.0	325	<0.5	<1.0	11	<1	<0.5	<100
		040224-21-MW-4-P	02/24/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<100
		040224-21-MW-4-D	02/24/04-Dup	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	0.9	<1	<1	<1	<0.5	<100
		040527-21-MW-4-P	05/27/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		040527-21-MW-4-D	5/27/04-Dup	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		040824-21-MW-4-P	08/24/04	1.6	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		041119-21-MW-4-P	11/19/04	10.7	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		041119-21-MW-4-D	11/19/04-Dup	11.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050225-21-MW-4-P	02/25/05	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050225-21-MW-4-D	2/25/05-Dup	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050526-21-MW-4-P	5/26/05	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050526-21-MW-4-D	5/26/05-Dup	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050825-21-MW-4-P	08/25/05	<0.50	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<25

TABLE 3. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Convenience Acquisition Company, More For Less Store #21
940 Petrified Forest Road; Calistoga, California

Well Name	Screened Interval (ft bgs)	Sample Name	Date	MTBE (µg/L)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)
MW-5	14 - 24	14/168/MW-5	11/19/01	**300**	<250	<50	**7.5**	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	na
		21/168/MW-5	03/28/02	0.51	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	na
		020815-21-MW-5-P	08/15/02	<1	80	<50	**2.3**	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		020815-21-MW-5-D	8/15/02-Dup	<1	114	<50	**2.4**	1.9	1.2	6.4	<50	<1	<1	<1	<1	<1	<100
		021112-21-MW-5-P	11/12/02	**243**	62	<50	**14**	<0.5	<0.5	<1.0	74	<1	<1	7	<1	<1	<100
		030224-21-MW-5-P	02/24/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030515-21-MW-5-P	05/15/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030821-21-MW-5-P	08/21/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		031121-21-MW-5-P	11/21/03	**72**	100	<50	**9.8**	<0.5	<0.5	<1.0	<10	<0.5	<1.0	<1.0	<1	<0.5	<100
		040224-21-MW-5-P	02/24/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<100
		040527-21-MW-5-P	05/27/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		040824-21-MW-5-P	08/24/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		041119-21-MW-5-P	11/19/04	2	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050225-21-MW-5-P	02/25/05	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050526-21-MW-5-P	05/26/05	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050825-21-MW-5-P	08/25/05	<0.50	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<25
		050825-21-MW-5-D	8/25/05-Dup	<0.50	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<25

TABLE 3. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Convenience Acquisition Company, More For Less Store #21
940 Petrified Forest Road; Calistoga, California

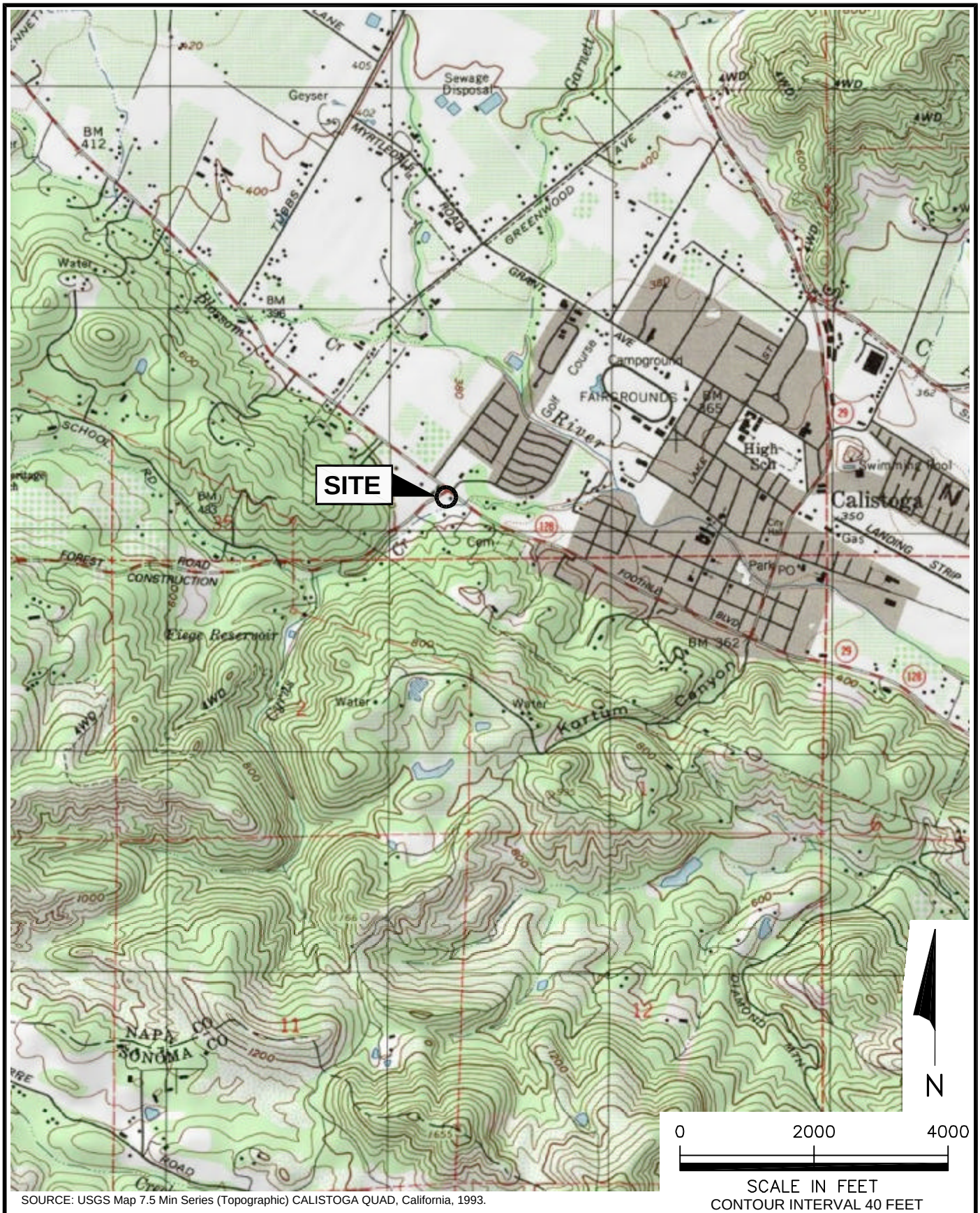
Well Name	Screened Interval (ft bgs)	Sample Name	Date	MTBE (µg/L)	TPH-Gasoline (µg/L)	TPH-Diesel (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)
MW-6	14 - 24	14/168/MW-6	11/19/01	**1,900**	<2,500	54 *	<50	<50	<50	<50	<250	<50	<50	<50	<50	<50	na
		21/168/MW-6	03/28/02	0.67	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	na
		020815-21-MW-6-P	08/15/02	**233**	143	<50	**5.4**	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		021112-21-MW-6-P	11/12/02	**13,600**	219	<50	**52.4**	<0.5	<0.5	<1.0	5,840	<1	<1	208	<1	<1	<100
		030224-21-MW-6-P	02/24/03	4	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030224-21-MW-6-D	2/24/03-Dup	3	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030515-21-MW-6-P	05/15/03	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030515-21-MW-6-D	5/15/03-Dup	<1	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030821-21-MW-6-P	08/21/03	4	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		030821-21-MW-6-D	8/21/03-Dup	4	<50	<50	<0.5	<0.5	<0.5	<1.0	<50	<1	<1	<1	<1	<1	<100
		031121-21-MW-6-P	11/21/03	**250**	73	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1.0	2.9	<1	<0.5	<100
		031121-21-MW-6-D	11/21/03-Dup	**268**	78	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1.0	3.2	<1	<0.5	<100
		040224-21-MW-6-P	02/24/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<100
		040527-21-MW-6-P	05/27/04	**15.9**	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	0.6	<1	<1	<1	<0.5	<50
		040824-21-MW-6-P	08/24/04	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		040824-21-MW-6-D	8/24/04-Dup	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		041119-21-MW-6-P	11/19/04	1.3	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050225-21-MW-6-P	02/25/05	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050526-21-MW-6-P	05/26/05	<0.5	<50	<50	<0.5	<0.5	<0.5	<1.0	<10	<0.5	<1	<1	<1	<0.5	<50
		050825-21-MW-6-P	08/25/05	<0.50	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<25

NOTES:

MTBE = Methyl-tert-butyl ether
TPH = Total petroleum hydrocarbons, analyzed using EPA Method 8015M.
Total Xylenes = o-xylene, m-xylene and p-xylene
(ft bgs) = feet below ground surface
(µg/L) = micrograms per liter, or parts per billion
<xx = Analyte not detected above the indicated value
na = not analyzed
TBA = Tert-butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl-tert-butyl ether
TAME = Tert-amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = Ethylene dibromide

* = For this result, the laboratory indicated that the hydrocarbon reported did not match the pattern of their diesel standard.
"--" indicates data not available because wells MW-1 and MW-3 were dry on August 15, 2002, August 21, 2003 and August 24, 2004 and therefore could not be sampled.
"U" indicates data are qualified due to a detection in an associated equipment blank (1.5U means <1.5 µg/L).
Groundwater samples were collected on 11/19/01 and 3/28/02 by H2O Geol of Livermore, California. Chemical testing was conducted by STL Chromalab of Pleasanton, California.
Groundwater samples from 8/15/02 through 5/26/05 were collected by ENVIRON, and chemical testing was conducted by North State Environmental Laboratory of South San Francisco, California.
Groundwater samples were collected on 8/25/05 by ENVIRON. Chemical testing was conducted by STL-San Francisco of Pleasanton, California. Beginning with the August 2005 sampling event, TPH-diesel results are reported as "diesel range organics" by the laboratory.
Results above California and federal Maximum Contaminant Levels (MCLs) for drinking water are shown in bold.

FIGURES



SOURCE: USGS Map 7.5 Min Series (Topographic) CALISTOGA QUAD, California, 1993.

0310605N–VICMAP.DWG

ENVIRON

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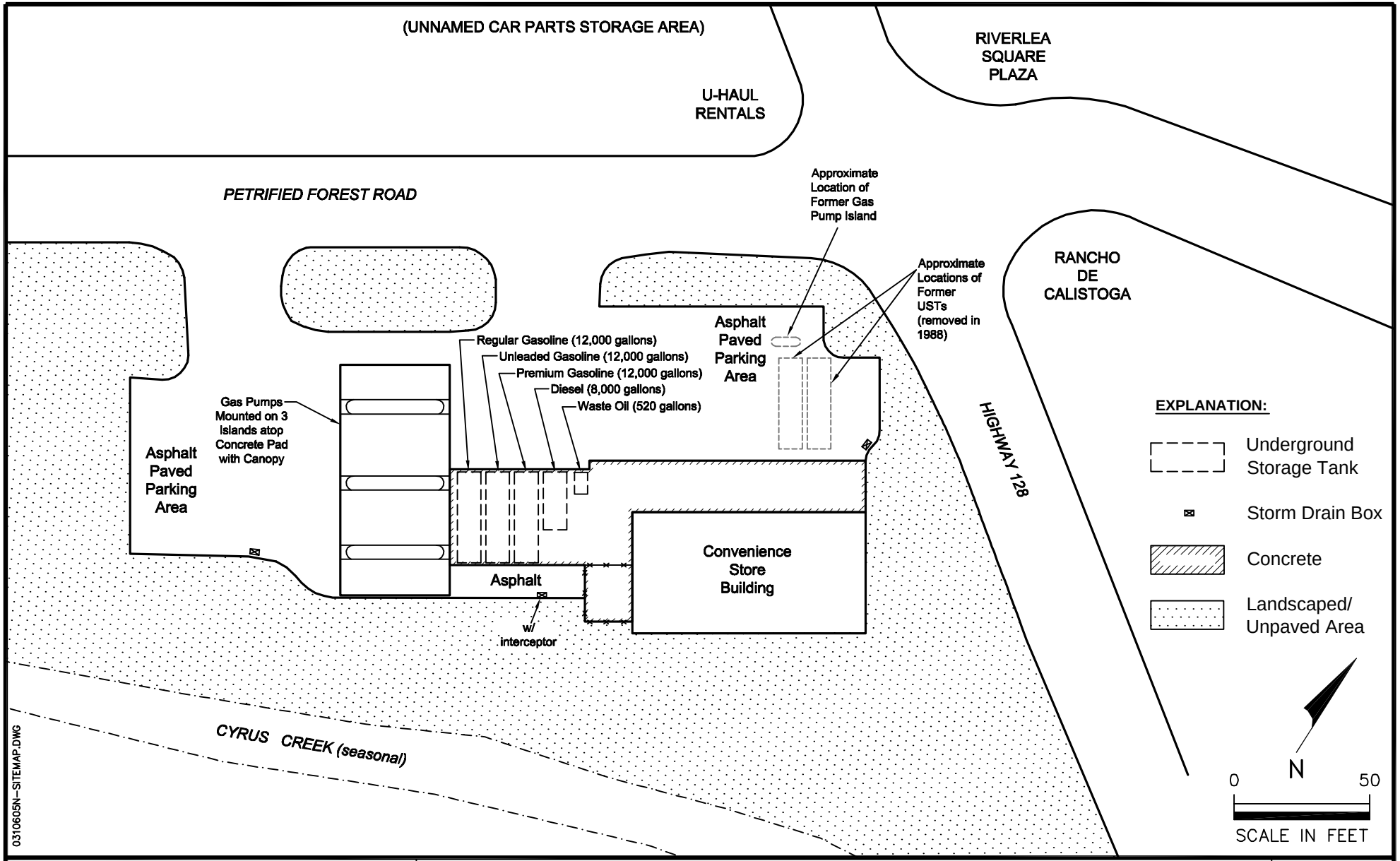
Site Location Map

940 Petrified Forest Road; Calistoga, California

Figure

1

Drafter: RS | Date: 9/22/05 | Contract Number: 03–10605N | Approved: | Revised:



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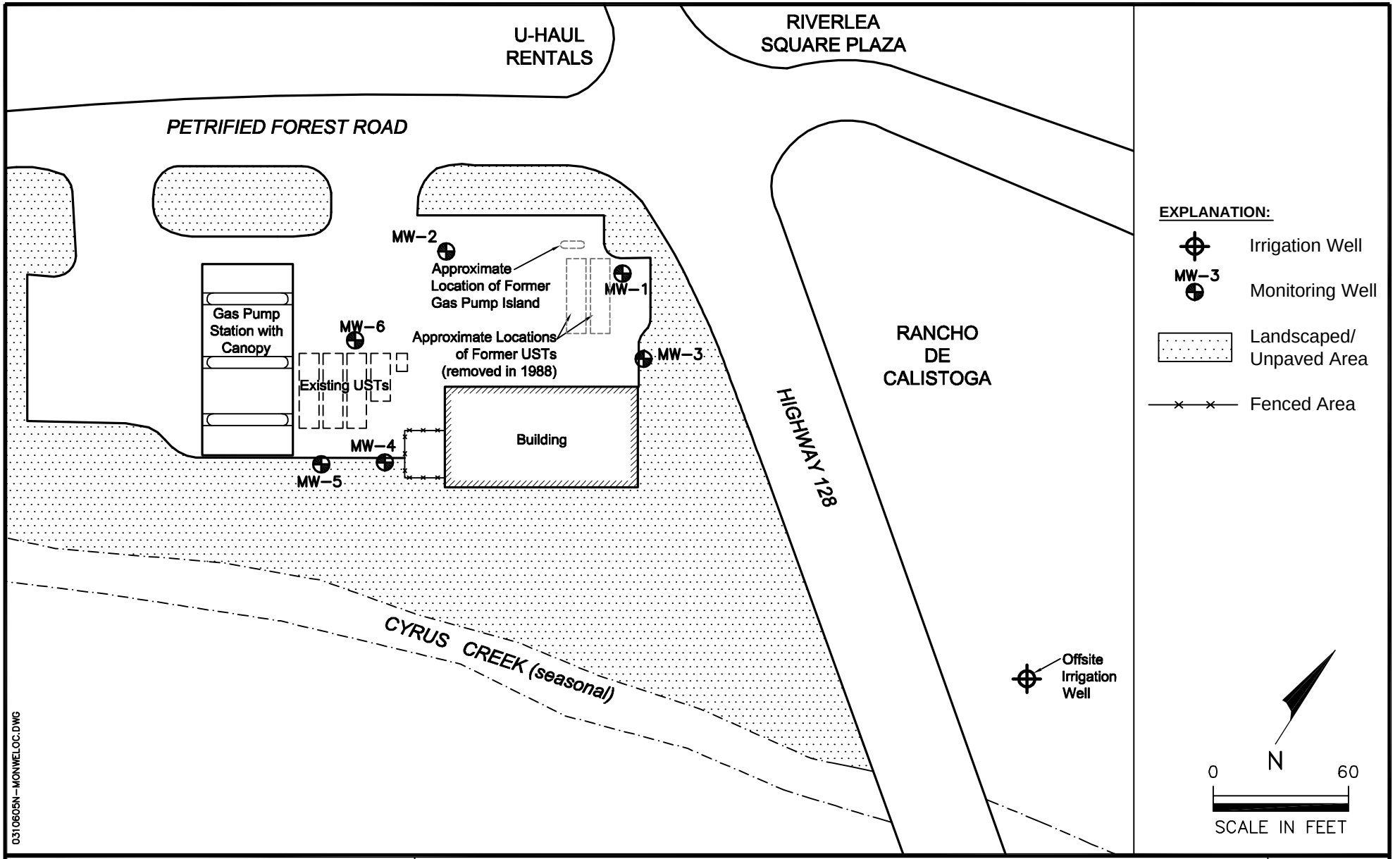
Site Map

Convenience Acquisition Company, More for Less Store #21
940 Petrified Forest Road; Calistoga, California

Figure **2**

Drafter: RS | Date: 9/22/05 | Contract Number: 03-10605N | Approved: | Revised:



ENVIRON

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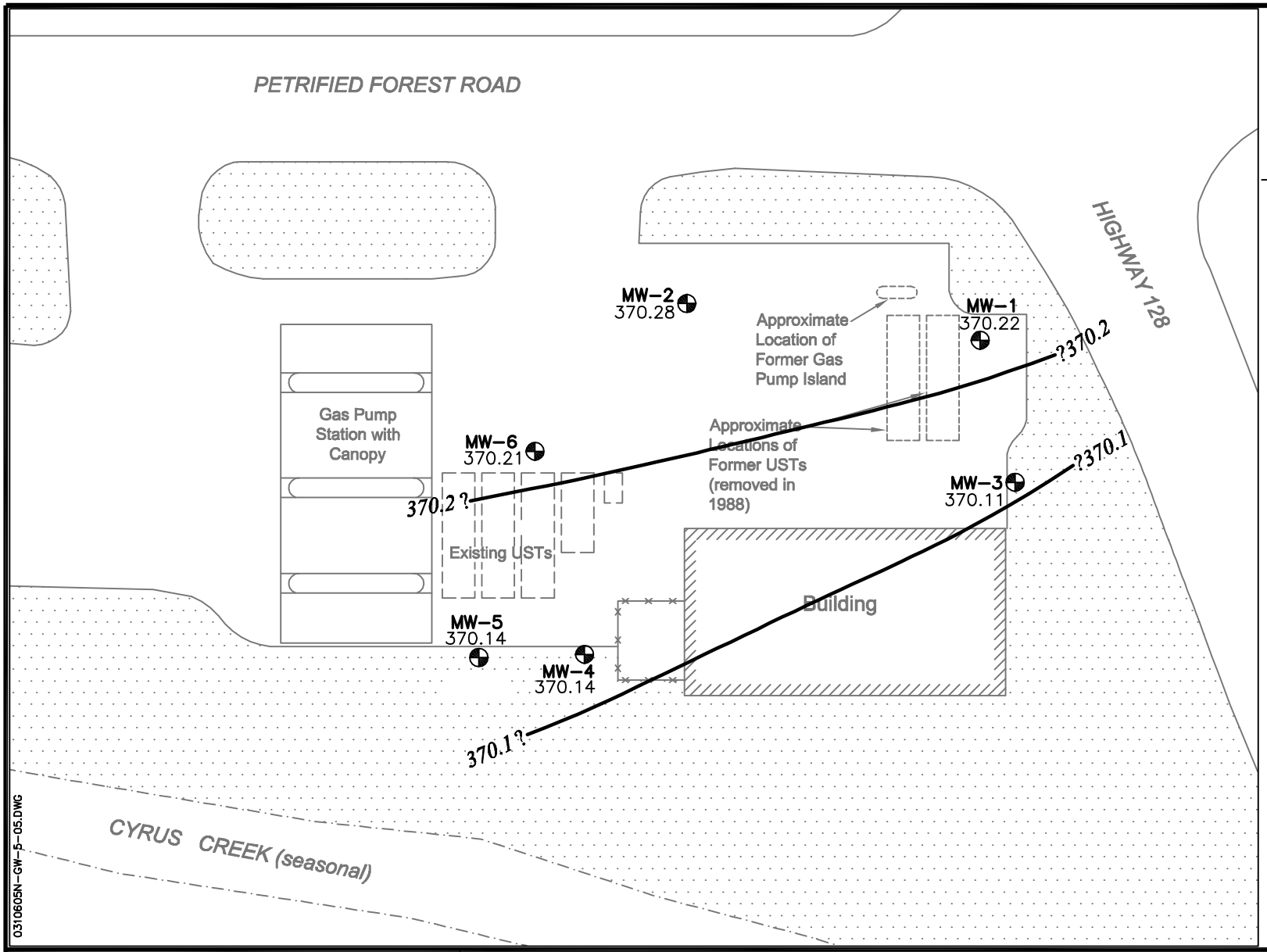
Well Location Map

Convenience Acquisition Company, More for Less Store #21
940 Petrified Forest Road; Calistoga, California

Figure **3**

Drafter: RS | Date: 9/22/05 | Contract Number: 03-10605N | Approved: | Revised:



EXPLANATION:

- Landscaped/ Unpaved Area
- Fenced Area
- Monitoring Well
- 367.84 Groundwater elevation in feet, referenced to a site datum.

NOTE:

Elevation 390.0 feet, site datum is approximately elevation 393.3 feet, Mean Sea Level datum.

N

0 40

SCALE IN FEET

ENVIRON

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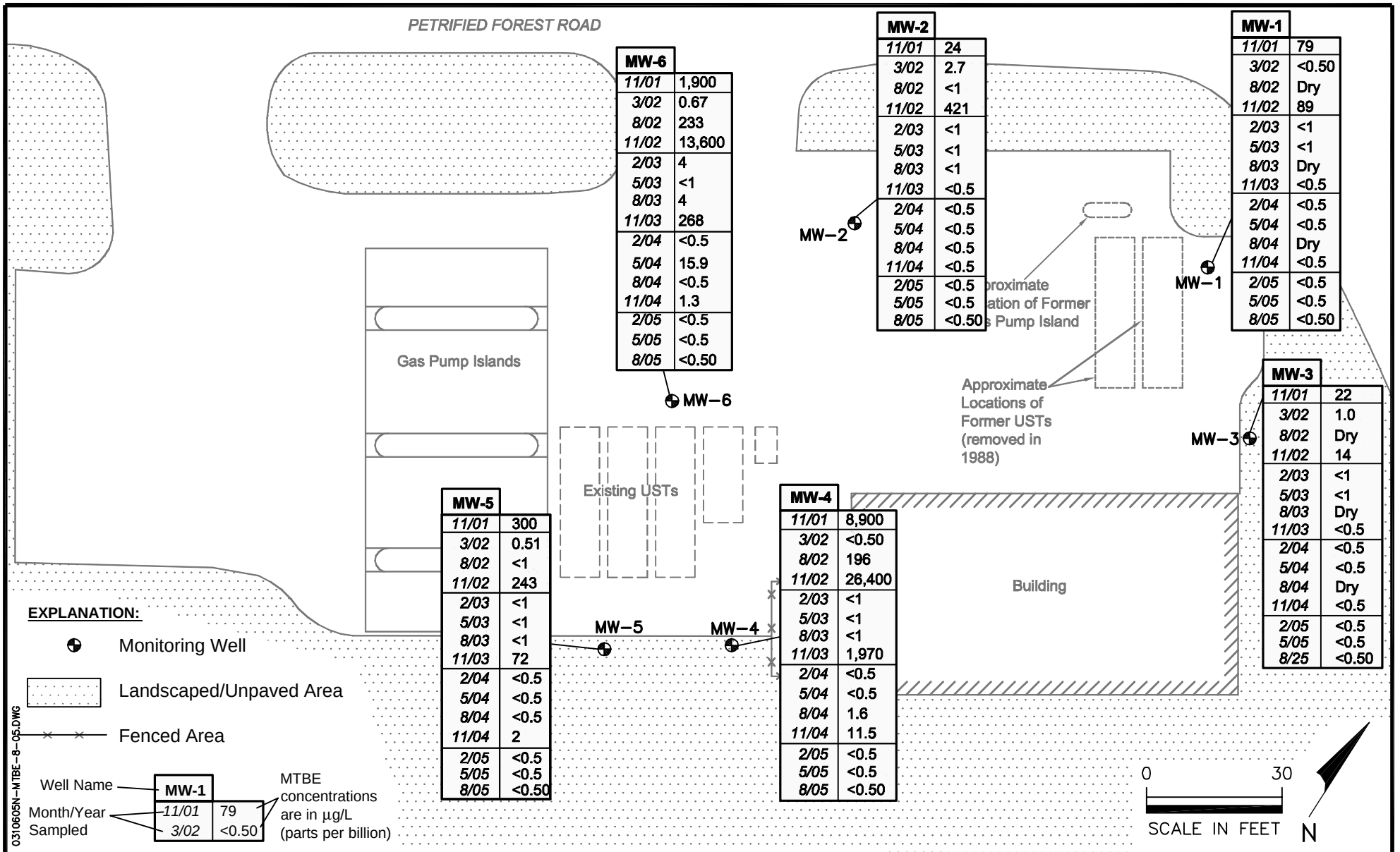
Groundwater Table Contour Map - August 25, 2005

Convenience Acquisition Company, More for Less Store #21

940 Petrified Forest Road; Calistoga, California

Figure 4

Drafter: RS Date: 9/22/05 Contract Number: 03–10605N Approved: Revised:



ENVIRON

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MTBE Concentrations in Groundwater

Convenience Acquisition Company, More for Less Store #21
940 Petrified Forest Road; Calistoga, California

Figure 5

Drafter: RS | Date: 9/22/05 | Contract Number: 03-10605N | Approved: | Revised:

APPENDIX A

Field Documentation
Water Purging and Sampling Logs

ENVIRO

Counsel In Health and Environmental Science
5820 Shellmound St., Suite 700
Emeryville, California 94608

PRELIMINARY FIELD DRAFT
REVIEW PENDING

WATER PURGING AND SAMPLING LOG

PROJECT NAME CAC
CONTRACT NUMBER 03101685N

WELL NO: mw-1
SAMPLING DATE 8/25/05
P.M./SAMPLER(S) P. CLARK

EQUIPMENT MODEL/TYPE	SERIAL NO.	DATE CALIBRATED	TEMP (°C)	STANDARD/ACTUAL
See mw-3				

PURGING/SAMPLING METHOD Hand Bail Disp. Bailer
EQUIPMENT CLEANING METHOD(S) LNox, DI Water
PURGE WATER DISPOSAL METHOD Drum

WELL NUMBER OR SAMPLING LOCATION mw-1
WELL CASING RADIUS (CR) (in) 4
TOTAL DEPTH (TD) OF WELL (ft) 20.55
DEPTH TO WATER (DTW) (ft) 18.37
CASING VOLUME (gal) = (TD-DTW) $(CR)^2$ (.163) = 1.5

2.14 × .65 = 1.417
80% = 18.81

PURGING DATA

PURGING START TIME 10.37
PURGING RATE (gpm)

TIME/GALLONS SINCE START	TEMP (C°)	pH	CONDUCTIVITY (µmhos/cm)	TURBIDITY (NTU)	OTHER
1039 / 1.5	61.9	7.2	115.0	71000	
1045 / 3.0	61.6	6.8	120.9	71000	
1050 / 4.5	61.5	6.7	123.6	71000	

PURGING STOP TIME 1050
GALLONS PURGED 4.5
CASING VOLUMES PURGED 3
SAMPLING TIME 1055
OBSERVATIONS/COMMENTS Sample @ DTW 18.80

LABORATORY NAME STL
SAMPLE I.D. 050825-21-mw-1-p

ENVIRO

Counsel In Health and Environmental Science
5820 Shellmound St., Suite 700
Emeryville, California 94608

PRELIMINARY FIELD DRAFT
REVIEW PENDING

WATER PURGING AND SAMPLING LOG

PROJECT NAME CAC
CONTRACT NUMBER 0310605N

WELL NO: mw-2
SAMPLING DATE 8/25/05
P.M./SAMPLER(S) P. Clark

EQUIPMENT MODEL/TYPE	SERIAL NO.	DATE CALIBRATED	TEMP (°C)	STANDARD/ACTUAL
See mw-3				

PURGING/SAMPLING METHOD Hand Bail / Disp. Bailer
EQUIPMENT CLEANING METHOD(S) L-NOX, DI water
PURGE WATER DISPOSAL METHOD Drum

WELL NUMBER OR SAMPLING LOCATION mw-2
WELL CASING RADIUS (CR) (in) 4
TOTAL DEPTH (TD) OF WELL (ft) 24.05
DEPTH TO WATER (DTW) (ft) 18.71
CASING VOLUME (gal) = (TD-DTW) $(CR)^2$ (.163) = 3.5

5.34 x .65 = 3.471
80% = 14.78

PURGING DATA

PURGING START TIME 1105
PURGING RATE (gpm)

TIME/GALLONS SINCE START	TEMP (C°)	pH	CONDUCTIVITY (µmhos/cm)	TURBIDITY (NTU)	OTHER
~~1105~~ 1108 / 3.5	60.9	7.0	123.6	60	
1114 / 7.0	61.9	6.6	114.2	81	
1120 / 10.5	61.7	6.6	109.0	81	

PURGING STOP TIME 1120
GALLONS PURGED 10.5
CASING VOLUMES PURGED 3
SAMPLING TIME 1125
OBSERVATIONS/COMMENTS DTW @ Sample 18.75

LABORATORY NAME STL
SAMPLE I.D. 050825-21-mw-2p

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5820 Shellmound St., Suite 700
Emeryville, California 94608

PRELIMINARY FIELD DRAFT
REVIEW PENDING

WATER PURGING AND SAMPLING LOG

PROJECT NAME CAC
CONTRACT NUMBER 0310605 N

WELL NO: MW-3
SAMPLING DATE 8/23/01
P.M./SAMPLER(S) P. Clark

EQUIPMENT MODEL/TYPE	SERIAL NO.	DATE CALIBRATED	TEMP (°C)	STANDARD/ACTUAL
Ultra meter	607200	8/24/01	79.°F	4.0/4.0
			↓	7.0/7.0
				10.0/10.0
2100P Turbidimeter	46500-00	8/24/01		—

PURGING/SAMPLING METHOD Hand Bail Disp. Bailer
EQUIPMENT CLEANING METHOD(S) L-Nox DI Water
PURGE WATER DISPOSAL METHOD

WELL NUMBER OR SAMPLING LOCATION MW-3
WELL CASING RADIUS (CR) (in) 4
TOTAL DEPTH (TD) OF WELL (ft) 20.05
DEPTH TO WATER (DTW) (ft) 16.13
CASING VOLUME (gal) = (TD-DTW) $(CR)^2$ (.163) = 1.25

1.67 x .65 = 1.085
80% = 18.56

PURGING DATA

PURGING START TIME 1010
PURGING RATE (gpm) N/A

TIME/GALLONS SINCE START	TEMP (C°)	pH	CONDUCTIVITY (µmhos/cm)	TURBIDITY (NTU)	OTHER
1014 / 1.25	62.6	8.2	199.1	47	
1021 / 2.5	61.8	7.3	124.2	48	
1028 / 3.75	61.4	7.2	121.0	48	

PURGING STOP TIME 1029
GALLONS PURGED 3.75
CASING VOLUMES PURGED 3
SAMPLING TIME 1240
OBSERVATIONS/COMMENTS Return to Sample @ 80%. Slow to Recharge
Sample @ DTW 18.30

LABORATORY NAME STL
SAMPLE I.D. 050825-21-mw-3-0

ENVIRO

Counsel In Health and Environmental Science
5820 Shellmound St., Suite 700
Emeryville, California 94608

PRELIMINARY FIELD DRAFT
REVIEW PENDING

WATER PURGING AND SAMPLING LOG

WELL NO: mw-4
PROJECT NAME CAC
SAMPLING DATE 08/25/00
CONTRACT NUMBER 031000SN
P.M./SAMPLER(S) P. CURL

EQUIPMENT MODEL/TYPE	SERIAL NO.	DATE CALIBRATED	TEMP (°C)	STANDARD/ACTUAL
See mw-3				

PURGING/SAMPLING METHOD Hand Bail / Disp. Bailer
EQUIPMENT CLEANING METHOD(S) L-NOX / DI water
PURGE WATER DISPOSAL METHOD Drum

WELL NUMBER OR SAMPLING LOCATION MW-4
WELL CASING RADIUS (CR) (in) 2
TOTAL DEPTH (TD) OF WELL (ft) ~~25~~ 24.25
DEPTH TO WATER (DTW) (ft) 18.40
CASING VOLUME (gal) = (TD-DTW) $(CR)^2$ (.163) = 1

5.85 x .16 = 0.936

PURGING DATA

PURGING START TIME 1215
PURGING RATE (gpm)

TIME	GALLONS SINCE START	TEMP (C°)	pH	CONDUCTIVITY (µmhos/cm)	TURBIDITY (NTU)	OTHER
1217	1	61.1	6.9	94.73 µS	71000	
1219	2	61.0	6.7	94.32 µS	71000	
1221	3	60.7	6.8	94.87 µS	71000	

PURGING STOP TIME 1221
CASING VOLUMES PURGED 3
GALLONS PURGED 3
SAMPLING TIME 1230
OBSERVATIONS/COMMENTS DTW @ Sample 18.40

LABORATORY NAME STL
SAMPLE I.D. 000825-21-mw-4-p

ENVIRO

Counsel In Health and Environmental Science
5820 Shellmound St., Suite 700
Emeryville, California 94608

PRELIMINARY FIELD DRAFT
REVIEW PENDING

WATER PURGING AND SAMPLING LOG

PROJECT NAME CAC
CONTRACT NUMBER 0310605 W

WELL NO: mw-5
SAMPLING DATE 8/25/05
P.M./SAMPLER(S) P. Curn

EQUIPMENT MODEL/TYPE	SERIAL NO.	DATE CALIBRATED	TEMP (°C)	STANDARD/ACTUAL
See mw-3				

PURGING/SAMPLING METHOD Hand Bail / Disp. Bailer
EQUIPMENT CLEANING METHOD(S) Liquinox, DI water
PURGE WATER DISPOSAL METHOD Drum

WELL NUMBER OR SAMPLING LOCATION mw-5
WELL CASING RADIUS (CR) (in) 2
TOTAL DEPTH (TD) OF WELL (ft) 24.15
DEPTH TO WATER (DTW) (ft) 17.75
CASING VOLUME (gal) = (TD-DTW) $(CR)^2$ (.163) = 1

6.4 x .16 = 1.024

PURGING DATA

PURGING START TIME 1155
PURGING RATE (gpm)

TIME/GALLONS SINCE START		TEMP (C°)	pH	CONDUCTIVITY (µmhos/cm)	TURBIDITY (NTU)	OTHER
1200	1	60.4	6.9	94.56	>1000	
1201	2	58.8	6.8	87.71 µs	>1000	
1202	3	59.2	6.7	86.79 µs	>1000	

PURGING STOP TIME 1202
GALLONS PURGED 3
CASING VOLUMES PURGED 3
SAMPLING TIME 1205
OBSERVATIONS/COMMENTS DUP taken @ this well DTW 17.75

LABORATORY NAME STL
SAMPLE I.D. 050825-21-mw-5-P
DUP

ENVIRO

Counsel In Health and Environmental Science
5820 Shellmound St., Suite 700
Emeryville, California 94608

PRELIMINARY FIELD DRAFT
REVIEW PENDING

WATER PURGING AND SAMPLING LOG

PROJECT NAME CAC
CONTRACT NUMBER 0310605 N

WELL NO: mw-6
SAMPLING DATE 8/25/05
P.M./SAMPLER(S) P. Clark

EQUIPMENT MODEL/TYPE	SERIAL NO.	DATE CALIBRATED	TEMP (°C)	STANDARD/ACTUAL
See mw-3				

PURGING/SAMPLING METHOD Hand Bail / Disp. Bailer
EQUIPMENT CLEANING METHOD(S) L-NOX, DI Water
PURGE WATER DISPOSAL METHOD Drum

WELL NUMBER OR SAMPLING LOCATION mw-6
WELL CASING RADIUS (CR) (in) 2
TOTAL DEPTH (TD) OF WELL (ft) 24.15
DEPTH TO WATER (DTW) (ft) 17.75
CASING VOLUME (gal) = (TD-DTW) $(CR)^2$ (.163) = 1

6.4 x .16 = 1.024

PURGING DATA

PURGING START TIME 1130
PURGING RATE (gpm)

TIME/GALLONS SINCE START	TEMP (C°)	pH	CONDUCTIVITY (µmhos/cm)	TURBIDITY (NTU)	OTHER
1135 / 1	63.2	6.9	77.21 MS	71000	
1137 / 2	60.8	6.7	77.20 MS	71000	
1140 / 3	60.9	6.7	77.29 MS	71000	

PURGING STOP TIME 1140
CASING VOLUMES PURGED 3
GALLONS PURGED 3
SAMPLING TIME 1145
OBSERVATIONS/COMMENTS DTW @ Sample 17.70

LABORATORY NAME STL
SAMPLE I.D. 050825-21-mw-6-P

APPENDIX B

Analytical Laboratory Report for Onsite Monitoring Wells

Submission#: 2005-08-0779

Environ

September 08, 2005

6001 Shellmound Street
Emeryville, CA 94608-1954

Attn.: Chris Ritchie

Project#: 03-10605N
Project: Cal More 4 Less

Attached is our report for your samples received on 08/26/2005 15:35
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/10/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: ssidhu@stl-inc.com

Sincerely,

Surinder Sidhu
Project Manager

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
050825-21-MW-1-P	08/25/2005 10:55	Water	1
050825-21-MW-2-P	08/25/2005 11:25	Water	2
050825-21-MW-6-P	08/25/2005 11:45	Water	3
050825-21-MW-5-P	08/25/2005 12:05	Water	4
050825-21-MW-5-D	08/25/2005 12:07	Water	5
050825-21-MW-4-P	08/25/2005 12:30	Water	6
050825-21-MW-3-P	08/25/2005 12:40	Water	7

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**050825-21-MW-1-P**	Lab ID:	2005-08-0779 - 1
Sampled:	08/25/2005 10:55	Extracted:	8/31/2005 10:30
Matrix:	Water	QC Batch#:	2005/08/31-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	1.00	09/01/2005 23:06	
Surrogate(s)						
o-Terphenyl	79.4	60-130	%	1.00	09/01/2005 23:06	

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**050825-21-MW-2-P**	Lab ID:	2005-08-0779 - 2
Sampled:	08/25/2005 11:25	Extracted:	8/31/2005 10:30
Matrix:	Water	QC Batch#:	2005/08/31-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	96	50	ug/L	1.00	09/02/2005 04:56	
Surrogate(s)						
o-Terphenyl	66.1	60-130	%	1.00	09/02/2005 04:56	

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**050825-21-MW-6-P**	Lab ID:	2005-08-0779 - 3
Sampled:	08/25/2005 11:45	Extracted:	8/31/2005 10:30
Matrix:	Water	QC Batch#:	2005/08/31-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	1.00	09/02/2005 03:09	
Surrogate(s)						
o-Terphenyl	69.1	60-130	%	1.00	09/02/2005 03:09	

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**050825-21-MW-5-P**	Lab ID:	2005-08-0779 - 4
Sampled:	08/25/2005 12:05	Extracted:	8/31/2005 10:30
Matrix:	Water	QC Batch#:	2005/08/31-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	1.00	09/01/2005 21:18	
Surrogate(s)						
o-Terphenyl	53.3	60-130	%	1.00	09/01/2005 21:18	S8

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**050825-21-MW-5-D**	Lab ID:	2005-08-0779 - 5
Sampled:	08/25/2005 12:07	Extracted:	8/31/2005 10:30
Matrix:	Water	QC Batch#:	2005/08/31-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	1.00	09/02/2005 05:23	
Surrogate(s)						
o-Terphenyl	64.2	60-130	%	1.00	09/02/2005 05:23	

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**050825-21-MW-4-P**	Lab ID:	2005-08-0779 - 6
Sampled:	08/25/2005 12:30	Extracted:	8/31/2005 10:30
Matrix:	Water	QC Batch#:	2005/08/31-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	1.00	09/02/2005 18:37	
Surrogate(s)						
o-Terphenyl	67.1	60-130	%	1.00	09/02/2005 18:37	

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**050825-21-MW-3-P**	Lab ID:	2005-08-0779 - 7
Sampled:	08/25/2005 12:40	Extracted:	8/31/2005 10:30
Matrix:	Water	QC Batch#:	2005/08/31-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	1.00	09/02/2005 06:17	
Surrogate(s)						
o-Terphenyl	71.9	60-130	%	1.00	09/02/2005 06:17	

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 3510/8015M — Test(s): 8015M

Method Blank — **Water** — **QC Batch # 2005/08/31-02.10**

MB: 2005/08/31-02.10-001 — Date Extracted: 08/31/2005 10:30

Compound	Conc.	RL	Unit	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	09/01/2005 16:47	
Surrogates(s)					
o-Terphenyl	80.9	60-130	%	09/01/2005 16:47	

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2005/08/31-02.10**

LCS 2005/08/31-02.10-002 Extracted: 08/31/2005 Analyzed: 09/01/2005 18:10
LCSD 2005/08/31-02.10-003 Extracted: 08/31/2005 Analyzed: 09/01/2005 18:37

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
DRO (C10-C28)	623	647	1000	62.3	64.7	3.8	60-130	25		
Surrogates(s)										
o-Terphenyl	12.8	13.7	20.0	63.9	68.7		60-130	0		

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/08/31-02.10**

050825-21-MW-5-P >> MS

Lab ID: 2005-08-0779 - 004

MS: 2005/08/31-02.10-012 Extracted: 08/31/2005 Analyzed: 09/01/2005 19:57

Dilution: 1.00

MSD: 2005/08/31-02.10-013 Extracted: 08/31/2005 Analyzed: 09/01/2005 20:24

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
DRO (C10-C28)	528	514	ND	1000	52.8	51.4	2.7	60-130	30	M5	M5
Surrogate(s)											
o-Terphenyl	12.3	12.1		20.0	61.7	60.3		60-130	0		

Diesel

Environ

Attn.: Chris Ritchie

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Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Legend and Notes

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

S8

Surrogate recoveries lower than acceptance limits.

Fuel Oxygenates by 8260B

Environ

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
050825-21-MW-1-P	08/25/2005 10:55	Water	1
050825-21-MW-2-P	08/25/2005 11:25	Water	2
050825-21-MW-6-P	08/25/2005 11:45	Water	3
050825-21-MW-5-P	08/25/2005 12:05	Water	4
050825-21-MW-5-D	08/25/2005 12:07	Water	5
050825-21-MW-4-P	08/25/2005 12:30	Water	6
050825-21-MW-3-P	08/25/2005 12:40	Water	7

Fuel Oxygenates by 8260B

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Received: 08/26/2005 15:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**050825-21-MW-1-P**	Lab ID:	2005-08-0779 - 1
Sampled:	08/25/2005 10:55	Extracted:	9/8/2005 00:08
Matrix:	Water	QC Batch#:	2005/09/07-02.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2005 00:08	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2005 00:08	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/08/2005 00:08	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/08/2005 00:08	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/08/2005 00:08	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/08/2005 00:08	
1,2-DCA	ND	0.50	ug/L	1.00	09/08/2005 00:08	
EDB	ND	0.50	ug/L	1.00	09/08/2005 00:08	
Benzene	ND	0.50	ug/L	1.00	09/08/2005 00:08	
Toluene	ND	0.50	ug/L	1.00	09/08/2005 00:08	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2005 00:08	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2005 00:08	
Ethanol	ND	25	ug/L	1.00	09/08/2005 00:08	
Surrogate(s)						
1,2-Dichloroethane-d4	103.4	73-130	%	1.00	09/08/2005 00:08	
Toluene-d8	106.5	81-114	%	1.00	09/08/2005 00:08	

Fuel Oxygenates by 8260B

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Received: 08/26/2005 15:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**050825-21-MW-2-P**	Lab ID:	2005-08-0779 - 2
Sampled:	08/25/2005 11:25	Extracted:	9/8/2005 00:29
Matrix:	Water	QC Batch#:	2005/09/07-02.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2005 00:29	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2005 00:29	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/08/2005 00:29	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/08/2005 00:29	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/08/2005 00:29	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/08/2005 00:29	
1,2-DCA	ND	0.50	ug/L	1.00	09/08/2005 00:29	
EDB	ND	0.50	ug/L	1.00	09/08/2005 00:29	
Benzene	ND	0.50	ug/L	1.00	09/08/2005 00:29	
Toluene	ND	0.50	ug/L	1.00	09/08/2005 00:29	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2005 00:29	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2005 00:29	
Ethanol	ND	25	ug/L	1.00	09/08/2005 00:29	
Surrogate(s)						
1,2-Dichloroethane-d4	104.8	73-130	%	1.00	09/08/2005 00:29	
Toluene-d8	105.0	81-114	%	1.00	09/08/2005 00:29	

Fuel Oxygenates by 8260B

Environ

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Project: 03-10605N
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Received: 08/26/2005 15:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**050825-21-MW-6-P**	Lab ID:	2005-08-0779 - 3
Sampled:	08/25/2005 11:45	Extracted:	9/8/2005 00:50
Matrix:	Water	QC Batch#:	2005/09/07-02.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2005 00:50	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2005 00:50	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/08/2005 00:50	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/08/2005 00:50	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/08/2005 00:50	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/08/2005 00:50	
1,2-DCA	ND	0.50	ug/L	1.00	09/08/2005 00:50	
EDB	ND	0.50	ug/L	1.00	09/08/2005 00:50	
Benzene	ND	0.50	ug/L	1.00	09/08/2005 00:50	
Toluene	ND	0.50	ug/L	1.00	09/08/2005 00:50	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2005 00:50	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2005 00:50	
Ethanol	ND	25	ug/L	1.00	09/08/2005 00:50	
Surrogate(s)						
1,2-Dichloroethane-d4	104.2	73-130	%	1.00	09/08/2005 00:50	
Toluene-d8	104.0	81-114	%	1.00	09/08/2005 00:50	

Fuel Oxygenates by 8260B

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Project: 03-10605N
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Received: 08/26/2005 15:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**050825-21-MW-5-P**	Lab ID:	2005-08-0779 - 4
Sampled:	08/25/2005 12:05	Extracted:	9/8/2005 01:11
Matrix:	Water	QC Batch#:	2005/09/07-02.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2005 01:11	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2005 01:11	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/08/2005 01:11	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/08/2005 01:11	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/08/2005 01:11	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/08/2005 01:11	
1,2-DCA	ND	0.50	ug/L	1.00	09/08/2005 01:11	
EDB	ND	0.50	ug/L	1.00	09/08/2005 01:11	
Benzene	ND	0.50	ug/L	1.00	09/08/2005 01:11	
Toluene	ND	0.50	ug/L	1.00	09/08/2005 01:11	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2005 01:11	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2005 01:11	
Ethanol	ND	25	ug/L	1.00	09/08/2005 01:11	
Surrogate(s)						
1,2-Dichloroethane-d4	110.6	73-130	%	1.00	09/08/2005 01:11	
Toluene-d8	103.7	81-114	%	1.00	09/08/2005 01:11	

Fuel Oxygenates by 8260B

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Project: 03-10605N
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Received: 08/26/2005 15:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**050825-21-MW-5-D**	Lab ID:	2005-08-0779 - 5
Sampled:	08/25/2005 12:07	Extracted:	9/8/2005 01:32
Matrix:	Water	QC Batch#:	2005/09/07-02.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2005 01:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2005 01:32	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/08/2005 01:32	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/08/2005 01:32	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/08/2005 01:32	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/08/2005 01:32	
1,2-DCA	ND	0.50	ug/L	1.00	09/08/2005 01:32	
EDB	ND	0.50	ug/L	1.00	09/08/2005 01:32	
Benzene	ND	0.50	ug/L	1.00	09/08/2005 01:32	
Toluene	ND	0.50	ug/L	1.00	09/08/2005 01:32	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2005 01:32	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2005 01:32	
Ethanol	ND	25	ug/L	1.00	09/08/2005 01:32	
Surrogate(s)						
1,2-Dichloroethane-d4	104.4	73-130	%	1.00	09/08/2005 01:32	
Toluene-d8	103.3	81-114	%	1.00	09/08/2005 01:32	

Fuel Oxygenates by 8260B

Environ

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Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**050825-21-MW-4-P**	Lab ID:	2005-08-0779 - 6
Sampled:	08/25/2005 12:30	Extracted:	9/8/2005 01:52
Matrix:	Water	QC Batch#:	2005/09/07-02.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2005 01:52	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2005 01:52	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/08/2005 01:52	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/08/2005 01:52	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/08/2005 01:52	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/08/2005 01:52	
1,2-DCA	ND	0.50	ug/L	1.00	09/08/2005 01:52	
EDB	ND	0.50	ug/L	1.00	09/08/2005 01:52	
Benzene	ND	0.50	ug/L	1.00	09/08/2005 01:52	
Toluene	ND	0.50	ug/L	1.00	09/08/2005 01:52	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2005 01:52	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2005 01:52	
Ethanol	ND	25	ug/L	1.00	09/08/2005 01:52	
Surrogate(s)						
1,2-Dichloroethane-d4	103.3	73-130	%	1.00	09/08/2005 01:52	
Toluene-d8	103.4	81-114	%	1.00	09/08/2005 01:52	

Fuel Oxygenates by 8260B

Environ

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Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**050825-21-MW-3-P**	Lab ID:	2005-08-0779 - 7
Sampled:	08/25/2005 12:40	Extracted:	9/8/2005 02:13
Matrix:	Water	QC Batch#:	2005/09/07-02.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2005 02:13	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2005 02:13	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/08/2005 02:13	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/08/2005 02:13	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/08/2005 02:13	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/08/2005 02:13	
1,2-DCA	ND	0.50	ug/L	1.00	09/08/2005 02:13	
EDB	ND	0.50	ug/L	1.00	09/08/2005 02:13	
Benzene	ND	0.50	ug/L	1.00	09/08/2005 02:13	
Toluene	ND	0.50	ug/L	1.00	09/08/2005 02:13	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2005 02:13	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2005 02:13	
Ethanol	ND	25	ug/L	1.00	09/08/2005 02:13	
Surrogate(s)						
1,2-Dichloroethane-d4	105.4	73-130	%	1.00	09/08/2005 02:13	
Toluene-d8	102.8	81-114	%	1.00	09/08/2005 02:13	

Fuel Oxygenates by 8260B

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Project: 03-10605N
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Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/09/07-02.64**

MB: 2005/09/07-02.64-054 — Date Extracted: 09/07/2005 18:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/07/2005 18:54	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/07/2005 18:54	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/07/2005 18:54	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	09/07/2005 18:54	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	09/07/2005 18:54	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	09/07/2005 18:54	
1,2-DCA	ND	0.5	ug/L	09/07/2005 18:54	
EDB	ND	0.5	ug/L	09/07/2005 18:54	
Benzene	ND	0.5	ug/L	09/07/2005 18:54	
Toluene	ND	0.5	ug/L	09/07/2005 18:54	
Ethylbenzene	ND	0.5	ug/L	09/07/2005 18:54	
Total xylenes	ND	1.0	ug/L	09/07/2005 18:54	
Ethanol	ND	25	ug/L	09/07/2005 18:54	
Surrogates(s)					
1,2-Dichloroethane-d4	100.8	73-130	%	09/07/2005 18:54	
Toluene-d8	104.4	81-114	%	09/07/2005 18:54	

Fuel Oxygenates by 8260B

Environ

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Project: 03-10605N
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Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/09/07-02.64**

LCS 2005/09/07-02.64-033 Extracted: 09/07/2005 Analyzed: 09/07/2005 18:33
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.1		25.0	104.4			65-165	20		
Benzene	25.6		25.0	102.4			69-129	20		
Toluene	26.1		25.0	104.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	452		500	90.4			73-130			
Toluene-d8	514		500	102.8			81-114			

Fuel Oxygenates by 8260B

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Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/09/07-02.64**

MS/MSD

Lab ID: 2005-08-0815 - 001

MS: 2005/09/07-02.64-057 Extracted: 09/07/2005 Analyzed: 09/07/2005 19:57
Dilution: 1.00

MSD: 2005/09/07-02.64-018 Extracted: 09/07/2005 Analyzed: 09/07/2005 20:18
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	24.0	26.4	ND	25.0	96.0	105.6	9.5	65-165	20		
Benzene	23.1	24.9	ND	25.0	92.4	99.6	7.5	69-129	20		
Toluene	23.5	25.9	ND	25.0	94.0	103.6	9.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	513	512		500	102.6	102.4		73-130			
Toluene-d8	505	520		500	101.0	104.0		81-114			

STL San Francisco

Sample Receipt Checklist

Submission #:2005- 08-0779

Checklist completed by:	SA	DATE	8/26/05
Courier: ☐ STL SF	Courier ☐ Fedex UPS Other		Client ☐

	Log-In Details	Yes	No	Comments
1	Custody seals intact on shipping container/samples		✓	
2	Chain of custody present?	✓		
3	Chain of custody signed when relinquished and received?	✓		☐ Picked-Up at Secure Location ☐ Client signed-off at time prior to pick-up
4	All samples checked when COC relinquished		✓	
5	Chain of custody agrees with sample labels?	✓		
6	Samples in proper container/bottle?	✓		
7	Sample containers intact?	✓		
8	Sufficient sample volume for indicated test?	✓		
9	All samples received within holding time?	✓		

Cooler Temperature Compliance Check

Temperature Blank Reading	If no trip blank is submitted individual temperatures must be taken as per SOP →	Cooler Sample Temperature #1	#2	#3	Average
		2°	2°	2°	2°C

Reason for Elevated Temperature	Samples with Temp > 6°C - Comments
☐ - Ice Melted ☐ Insufficient Ice ☐	
☐ Samp. in boxes ☐ Sampled < 4hr ☐ Ice not req.	

VOA Sample Inspection

		Small	Med.	Large	Samples with broken, cracked or leaking containers
Are bubbles present in any of the VOA vials ?	Sample #	0	0	0	
		☐	☐	☐	
		☐	☐	☐	
		☐	☐	☐	

	Yes	No	Samples with Unacceptable pH
Water - pH acceptable upon receipt?	☐	☐	

☐ pH adjusted– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –Lot #(s) _____

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/05 Client contacted: Ye☐ N☐

Summary of discussion:

Corrective Action (per PM/Client):

2005-08-0779 96952 96954SA ~~96952~~

ENVIRON

Counsel in Health and Environmental Science

CHAIN-of-CUSTODY FORM

Sheet 1 Of 1

5820 Shellmound St., Suite 700
Emeryville, California 94608
(510) 655-7400

PROJECT NAME: CAC MORE 4 LESS

CASE NO.: 03-10605N

ANALYSES: SAMPLE TIME; TPH-gas, BTEX, fuel oxygenates* by 8260B; TPH-diesel by 8015M; USE FOR MS/MSD

5-day TAT

ENVIRON SAMPLE ID.	COLLECTION DATE 2005	COLLECTED BY (initials)	MATRIX	TOTAL NO. OF CONTAINERS	SAMPLE TIME	TPH-gas, BTEX, fuel oxygenates* by 8260B	TPH-diesel by 8015M	USE FOR MS/MSD			FIELD PT. I/D:			COMMENTS
050825-21-MW-1-P	8/25	cjr	WATER	5	1055	X	X				MW-1			PLEASE EMAIL RESULTS TO CHRIS RITCHIE
050825-21-MW-2-P	8/25	cjr	WATER	5	1125	X	X				MW-2			critchie@environcorp.com
050825-21-MW-6-P	8/25	cjr	WATER	5	1145	X	X				MW-6			
050825-21-MW-5-P	8/25	cjr	WATER	6	1205	X	X	X			MW-5			GEOTRACKER GLOBAL ID: T0605500132
050825-21-MW-5-D	8/25	cjr	WATER	5	1207	X	X				MW-5			
050825-21-MW-4-P	8/25	cjr	WATER	5	1230	X	X				MW-4			*FUEL OXYGENATES
050825-21-MW-3-P	8/25	cjr	WATER	5	1240	X	X							INCLUDE MTBE, TBA, ETBE, TAME, DIPE,
														1,2-DCA, EDB, Ethanol
					cjr 8/25/05									
TOTAL	X	X	X	36		7	7							TEMP 2°C

Relinquished by:	Date:	Time:	Received by:	Company:	Date:	Time:
[signature]	8/26/05	1340	[signature] STL-SF		8/26/05	1340
[signature] STL-SF	8/26/05	1535	[signature]	STL-SF	8/26/05	15:35

APPENDIX C

Analytical Laboratory Report for Offsite Irrigation Well Located at 2412 Foothill Boulevard, Calistoga, CA

SEVERN TRENT STL

Submission#: 2005-08-0778

Environ

September 09, 2005

6001 Shellmound Street
Emeryville, CA 94608-1954

Attn.: Chris Ritchie

Project#: 03-10605N
Project: Cal More 4 Less

Attached is our report for your samples received on 08/26/2005 15:35
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/10/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: ssidhu@stl-inc.com

Sincerely,

Surinder Sidhu
Project Manager

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
050825-21-WSW-1-P	08/25/2005 11:45	Water	1

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**050825-21-WSW-1-P**	Lab ID:	2005-08-0778 - 1
Sampled:	08/25/2005 11:45	Extracted:	8/31/2005 14:28
Matrix:	Water	QC Batch#:	2005/08/31-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	1.00	09/01/2005 20:24	
Surrogate(s)						
o-Terphenyl	72.3	60-130	%	1.00	09/01/2005 20:24	

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 3510/8015M — Test(s): 8015M

Method Blank — **Water** — **QC Batch # 2005/08/31-05.10**

MB: 2005/08/31-05.10-001 — Date Extracted: 08/31/2005 14:28

Compound	Conc.	RL	Unit	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	09/01/2005 17:16	
Surrogates(s)					
o-Terphenyl	72.9	60-130	%	09/01/2005 17:16	

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2005/08/31-05.10**

LCS 2005/08/31-05.10-002 Extracted: 08/31/2005 Analyzed: 09/01/2005 17:43
LCSD 2005/08/31-05.10-003 Extracted: 08/31/2005 Analyzed: 09/01/2005 18:10

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
DRO (C10-C28)	675	729	1000	67.5	72.9	7.7	60-130	25		
Surrogates(s)										
o-Terphenyl	13.9	14.4	20.0	69.5	72.0		60-130	0		

Diesel

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/08/31-05.10**

050825-21-WSW-1-P >> MS

Lab ID: 2005-08-0778 - 001

MS: 2005/08/31-05.10-004 Extracted: 08/31/2005 Analyzed: 09/01/2005 20:51

Dilution: 1.00

MSD: 2005/08/31-05.10-005 Extracted: 08/31/2005 Analyzed: 09/01/2005 21:18

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
DRO (C10-C28)	704	640	ND	1000	70.4	64.0	9.5	60-130	30		
Surrogate(s)											
o-Terphenyl	13.7	13.3		20.0	68.5	66.6		60-130	0		

Fuel Oxygenates by 8260B

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
050825-21-WSW-1-P	08/25/2005 11:45	Water	1

Fuel Oxygenates by 8260B

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**050825-21-WSW-1-P**	Lab ID:	2005-08-0778 - 1
Sampled:	08/25/2005 11:45	Extracted:	9/7/2005 02:05
Matrix:	Water	QC Batch#:	2005/09/06-02.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/07/2005 02:05	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/07/2005 02:05	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/07/2005 02:05	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/07/2005 02:05	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/07/2005 02:05	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/07/2005 02:05	
1,2-DCA	ND	0.50	ug/L	1.00	09/07/2005 02:05	
EDB	ND	0.50	ug/L	1.00	09/07/2005 02:05	
Benzene	ND	0.50	ug/L	1.00	09/07/2005 02:05	
Toluene	ND	0.50	ug/L	1.00	09/07/2005 02:05	
Ethylbenzene	ND	0.50	ug/L	1.00	09/07/2005 02:05	
Total xylenes	ND	1.0	ug/L	1.00	09/07/2005 02:05	
Ethanol	ND	25	ug/L	1.00	09/07/2005 02:05	
Surrogate(s)						
1,2-Dichloroethane-d4	103.1	73-130	%	1.00	09/07/2005 02:05	
Toluene-d8	105.8	81-114	%	1.00	09/07/2005 02:05	

Fuel Oxygenates by 8260B

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/09/06-02.64**

MB: 2005/09/06-02.64-001 — Date Extracted: 09/06/2005 19:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/06/2005 19:01	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/06/2005 19:01	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/06/2005 19:01	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	09/06/2005 19:01	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	09/06/2005 19:01	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	09/06/2005 19:01	
1,2-DCA	ND	0.5	ug/L	09/06/2005 19:01	
EDB	ND	0.5	ug/L	09/06/2005 19:01	
Benzene	ND	0.5	ug/L	09/06/2005 19:01	
Toluene	ND	0.5	ug/L	09/06/2005 19:01	
Ethylbenzene	ND	0.5	ug/L	09/06/2005 19:01	
Total xylenes	ND	1.0	ug/L	09/06/2005 19:01	
Ethanol	ND	25	ug/L	09/06/2005 19:01	
Surrogates(s)					
1,2-Dichloroethane-d4	99.4	73-130	%	09/06/2005 19:01	
Toluene-d8	102.2	81-114	%	09/06/2005 19:01	

Fuel Oxygenates by 8260B

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/09/06-02.64**

LCS 2005/09/06-02.64-040 Extracted: 09/06/2005 Analyzed: 09/06/2005 18:40
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	27.1		25.0	108.4			65-165	20		
Benzene	27.2		25.0	108.8			69-129	20		
Toluene	28.5		25.0	114.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	439		500	87.8			73-130			
Toluene-d8	532		500	106.4			81-114			

Fuel Oxygenates by 8260B

Environ

Attn.: Chris Ritchie

6001 Shellmound Street
Suite 700
Emeryville, CA 94608-1954
Phone: (510) 655-7400 Fax: (510) 655-9517

Project: 03-10605N
Cal More 4 Less

Received: 08/26/2005 15:35

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/09/06-02.64**

MS/MSD

Lab ID: 2005-08-0819 - 001

MS: 2005/09/06-02.64-009 Extracted: 09/06/2005 Analyzed: 09/06/2005 19:27
Dilution: 1.00

MSD: 2005/09/06-02.64-048 Extracted: 09/06/2005 Analyzed: 09/06/2005 19:48
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	31.9	32.7	12	25.0	79.6	82.8	3.9	65-165	20		
Benzene	22.0	21.9	ND	25.0	88.0	87.6	0.5	69-129	20		
Toluene	22.2	22.3	ND	25.0	88.8	89.2	0.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	465	460		500	93.0	92.0		73-130			
Toluene-d8	523	533		500	104.6	106.6		81-114			

STL San Francisco

Sample Receipt Checklist

Submission #:2005- 08-0778

Checklist completed by:	SA	DATE	8/26/05
Courier: ☐ STL SF	Courier ☐ Fedex UPS Other		Client ☐

	Log-In Details	Yes	No	Comments
1	Custody seals intact on shipping container/samples		✓	
2	Chain of custody present?	✓		
3	Chain of custody signed when relinquished and received?	✓		☐ Picked-Up at Secure Location ☐ Client signed-off at time prior to pick-up
4	All samples checked when COC relinquished		✓	
5	Chain of custody agrees with sample labels?	✓		
6	Samples in proper container/bottle?	✓		
7	Sample containers intact?	✓		
8	Sufficient sample volume for indicated test?	✓		
9	All samples received within holding time?	✓		

Cooler Temperature Compliance Check

Temperature Blank Reading	Cooler Sample Temperature #1	#2	#3	Average
	2°	2°	2°	2°C

If no trip blank is submitted individual temperatures must be taken as per SOP →

Reason for Elevated Temperature	Samples with Temp > 6°C - Comments
☐ - Ice Melted ☐ Insufficient Ice ☐	
☐ Samp. in boxes ☐ Sampled < 4hr. ☐ Ice not req	

VOA Sample Inspection

Are bubbles present in any of the VOA vials ?	Sample #	Small	Med.	Large	Samples with broken, cracked or leaking containers
		0	0	0	
		☐	☐	☐	
		☐	☐	☐	
		☐	☐	☐	

Water - pH acceptable upon receipt?	Yes	No	Samples with Unacceptable pH
	☐	☐	

☐ pH adjusted– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –Lot #(s) _____

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/05 Client contacted: Yes☐ No☐

Summary of discussion:

Corrective Action (per PM/Client):

2005 Checklist Ver. 2.0

ENVIRON
Counsel in Health and Environmental Science

2005-08-0778 CHAIN-of-CUSTODY FORM

9695l

Sheet 1 Of 1
5820 Shellmound St., Suite 700
Emeryville, California 94608
(510) 655-7400

PROJECT NAME: CAL MART 4/LESS

CASE NO.: 03-10605N

5-day TAT

ENVIRON SAMPLE ID.	COLLECTION DATE 2005	COLLECTED BY (initials)	MATRIX	TOTAL NO. OF CONTAINERS	ANALYSES: SAMPLE TIME	TPH-gas, BTEX, fuel oxygenates* by 8260B	TPH-diesel by 8015M	WSE FOR AS/MSD	FIELD PT. ID	COMMENTS
050825-21-WSW-1-P	8/25	CJR	WATER	6	1145	X	X	X	WSW-1	PLEASE EMAIL RESULTS TO CHRIS RITCHIE AT critchie@environcorp.com
										GEOTRACKER GLOBAL ID: T0605500132
										*FUEL OXYGENATES INCLUDE MTBE, TBA, ETBE, TAME, DIPE, 1,2-DCA, EDB, ETHANOL
						CJR 08/25/05				
TOTAL				6	1	1				TO MP QC

Relinquished by:	Date:	Time:	Received by:	Company:	Date:	Time:
	8/26/05	1340		STL-SF	8/26/05	1340
By FedEx STL-SF	8/26/05	1535		STL-SF	8/26/05	1535